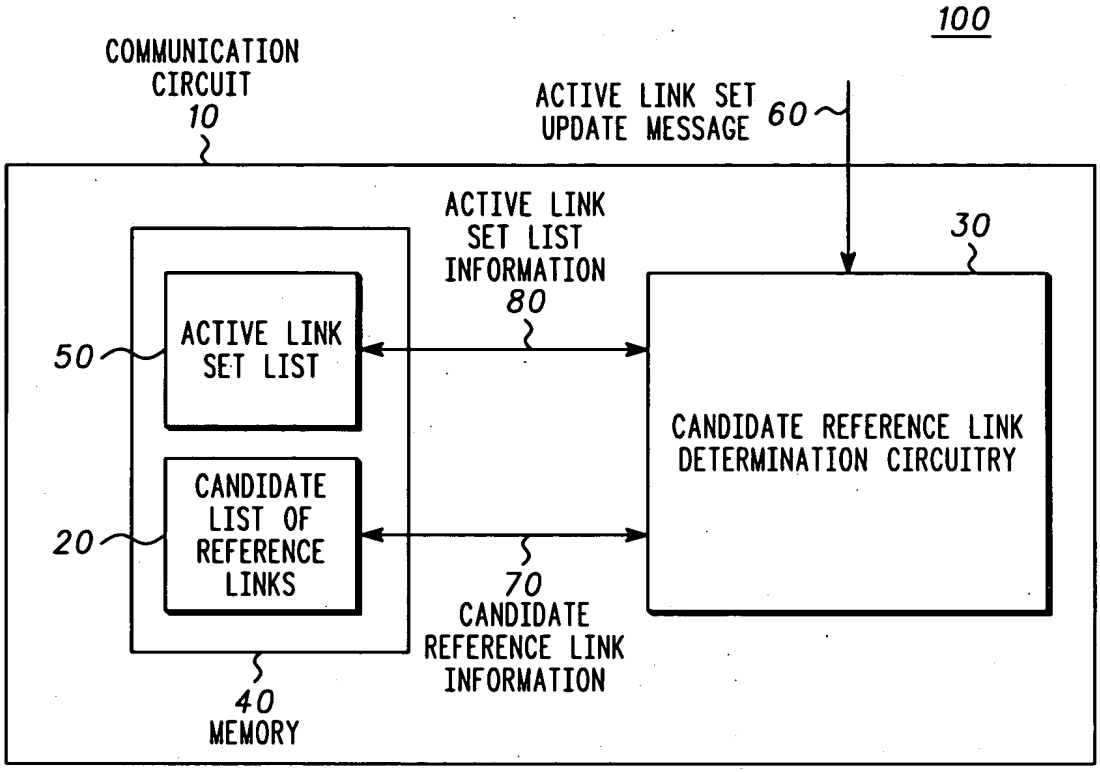
100
COMMUNICATION CIRCUIT
10
ACTIVE LINK SET UPDATE MESSAGE
60
ACTIVE LINK SET LIST INFORMATION
80
30
50
ACTIVE LINK SET LIST
20
CANDIDATE LIST OF REFERENCE LINKS
CANDIDATE REFERENCE LINK DETERMINATION CIRCUITRY
70
CANDIDATE REFERENCE LINK INFORMATION
40
MEMORY

FIG. 1

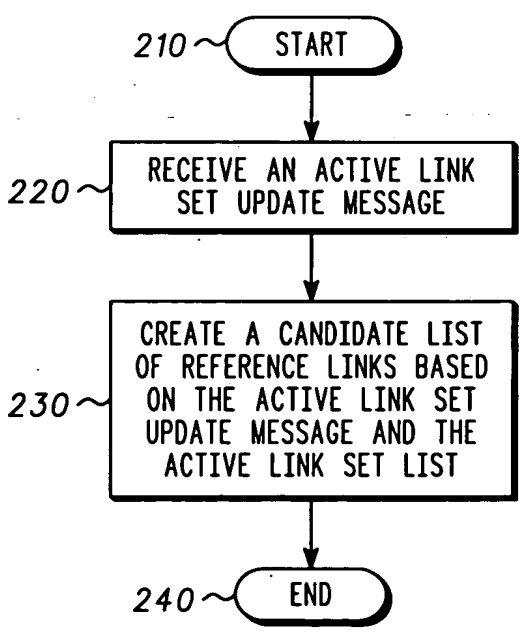
200
210
START
220
RECEIVE AN ACTIVE LINK SET UPDATE MESSAGE
230
CREATE A CANDIDATE LIST OF REFERENCE LINKS BASED ON THE ACTIVE LINK SET UPDATE MESSAGE AND THE ACTIVE LINK SET LIST
240
END

FIG. 2

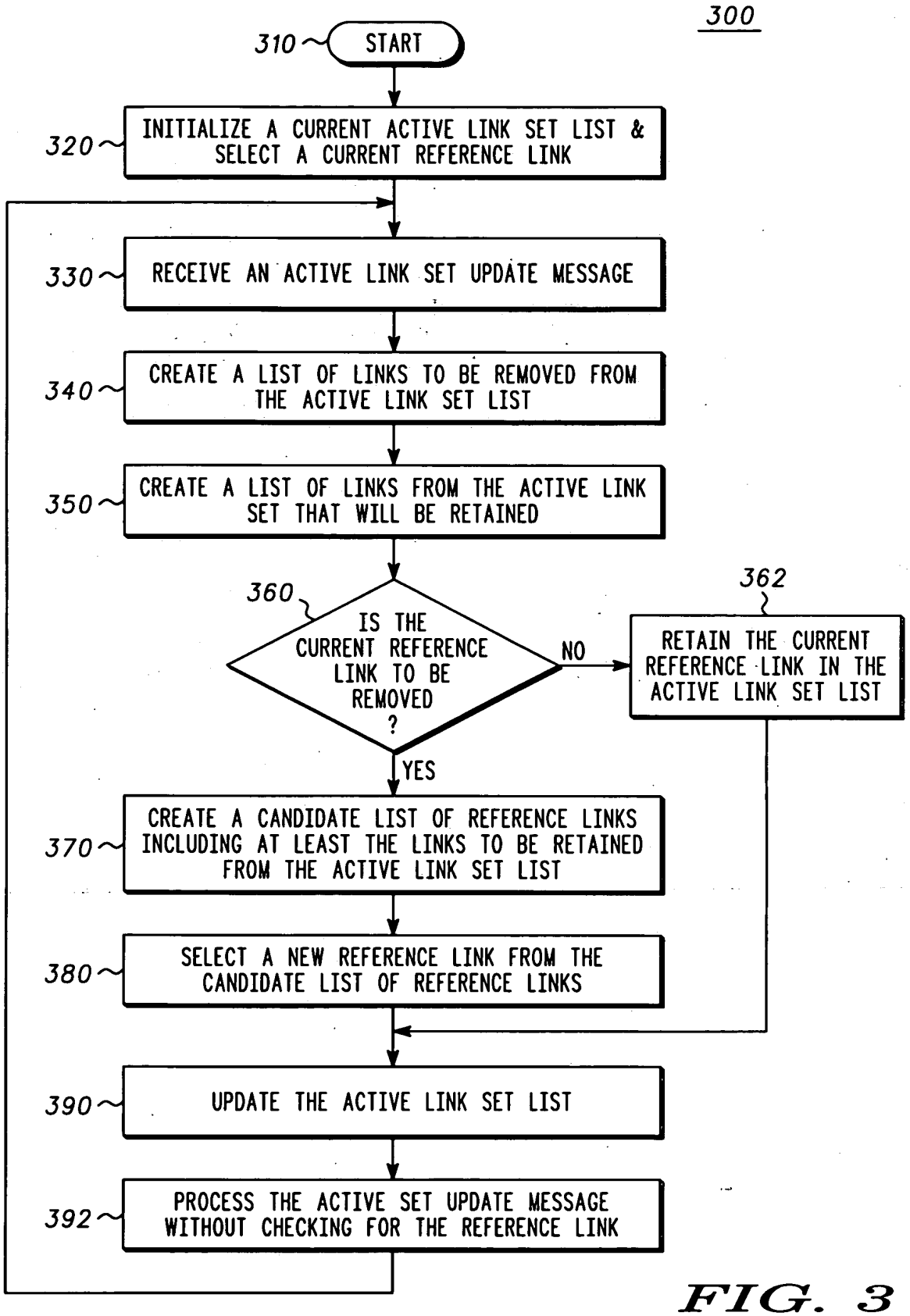
300
310
START
320
INITIALIZE A CURRENT ACTIVE LINK SET LIST & SELECT A CURRENT REFERENCE LINK
330
RECEIVE AN ACTIVE LINK SET UPDATE MESSAGE
340
CREATE A LIST OF LINKS TO BE REMOVED FROM THE ACTIVE LINK SET LIST
350
CREATE A LIST OF LINKS FROM THE ACTIVE LINK SET THAT WILL BE RETAINED
360
IS THE CURRENT REFERENCE LINK TO BE REMOVED ?
NO
362
RETAIN THE CURRENT REFERENCE LINK IN THE ACTIVE LINK SET LIST
YES
370
CREATE A CANDIDATE LIST OF REFERENCE LINKS INCLUDING AT LEAST THE LINKS TO BE RETAINED FROM THE ACTIVE LINK SET LIST
380
SELECT A NEW REFERENCE LINK FROM THE CANDIDATE LIST OF REFERENCE LINKS
390
UPDATE THE ACTIVE LINK SET LIST
392
PROCESS THE ACTIVE SET UPDATE MESSAGE WITHOUT CHECKING FOR THE REFERENCE LINK

FIG. 3

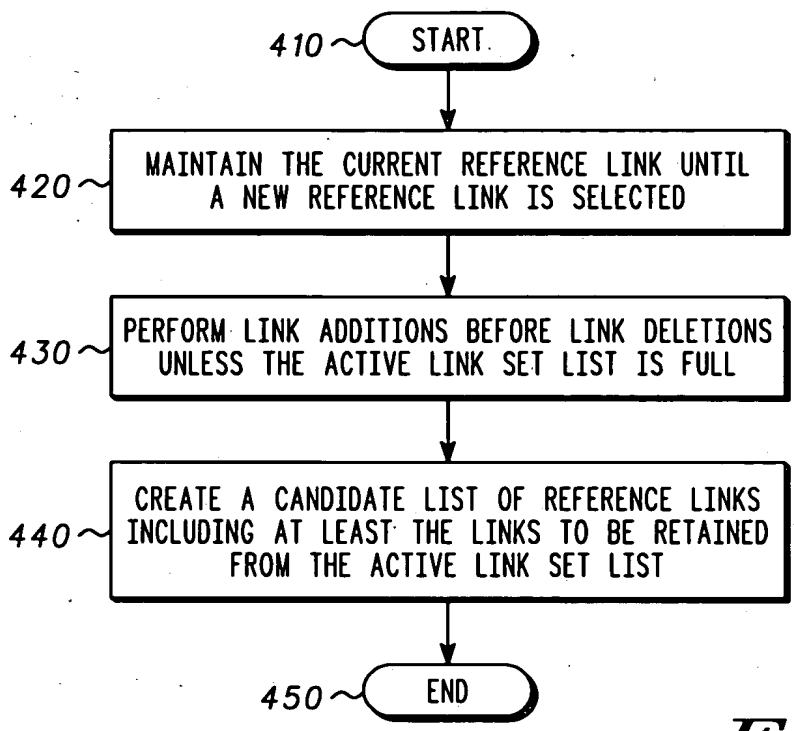
400
410
START
420
MAINTAIN THE CURRENT REFERENCE LINK UNTIL A NEW REFERENCE LINK IS SELECTED
430
PERFORM LINK ADDITIONS BEFORE LINK DELETIONS UNLESS THE ACTIVE LINK SET LIST IS FULL
440
CREATE A CANDIDATE LIST OF REFERENCE LINKS INCLUDING AT LEAST THE LINKS TO BE RETAINED FROM THE ACTIVE LINK SET LIST
450
END

FIG. 4

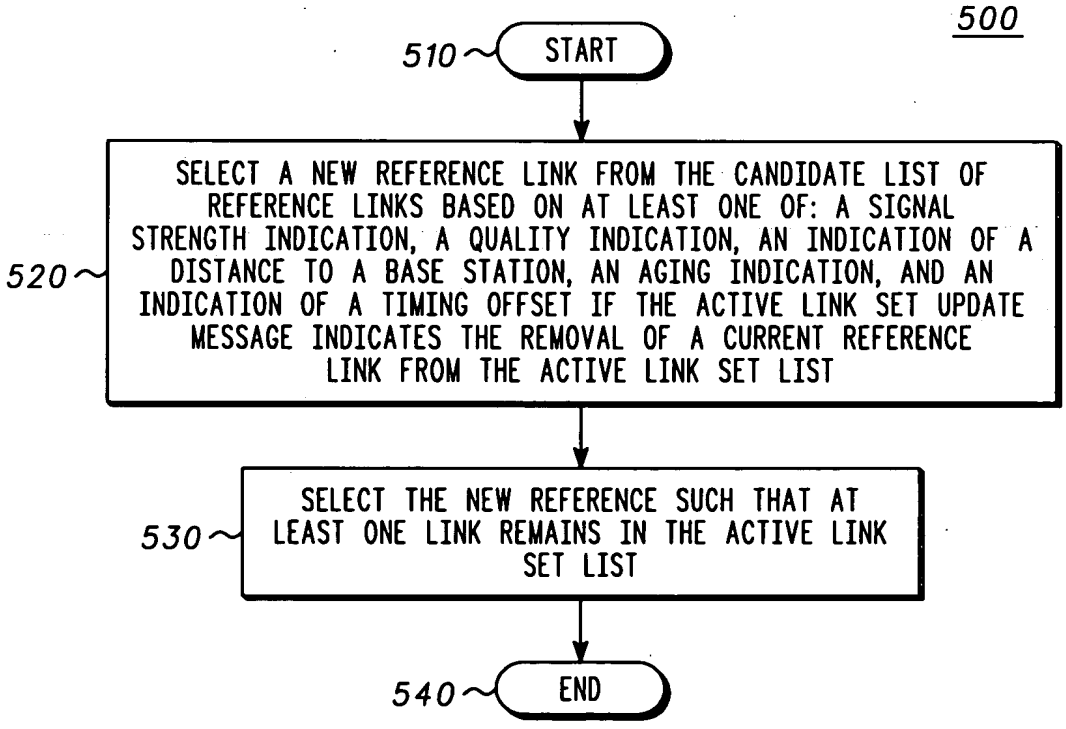
500
510
START
520
SELECT A NEW REFERENCE LINK FROM THE CANDIDATE LIST OF REFERENCE LINKS BASED ON AT LEAST ONE OF: A SIGNAL STRENGTH INDICATION, A QUALITY INDICATION, AN INDICATION OF A DISTANCE TO A BASE STATION, AN AGING INDICATION, AND AN INDICATION OF A TIMING OFFSET IF THE ACTIVE LINK SET UPDATE MESSAGE INDICATES THE REMOVAL OF A CURRENT REFERENCE LINK FROM THE ACTIVE LINK SET LIST
530
SELECT THE NEW REFERENCE SUCH THAT AT LEAST ONE LINK REMAINS IN THE ACTIVE LINK SET LIST
540
END

FIG. 5

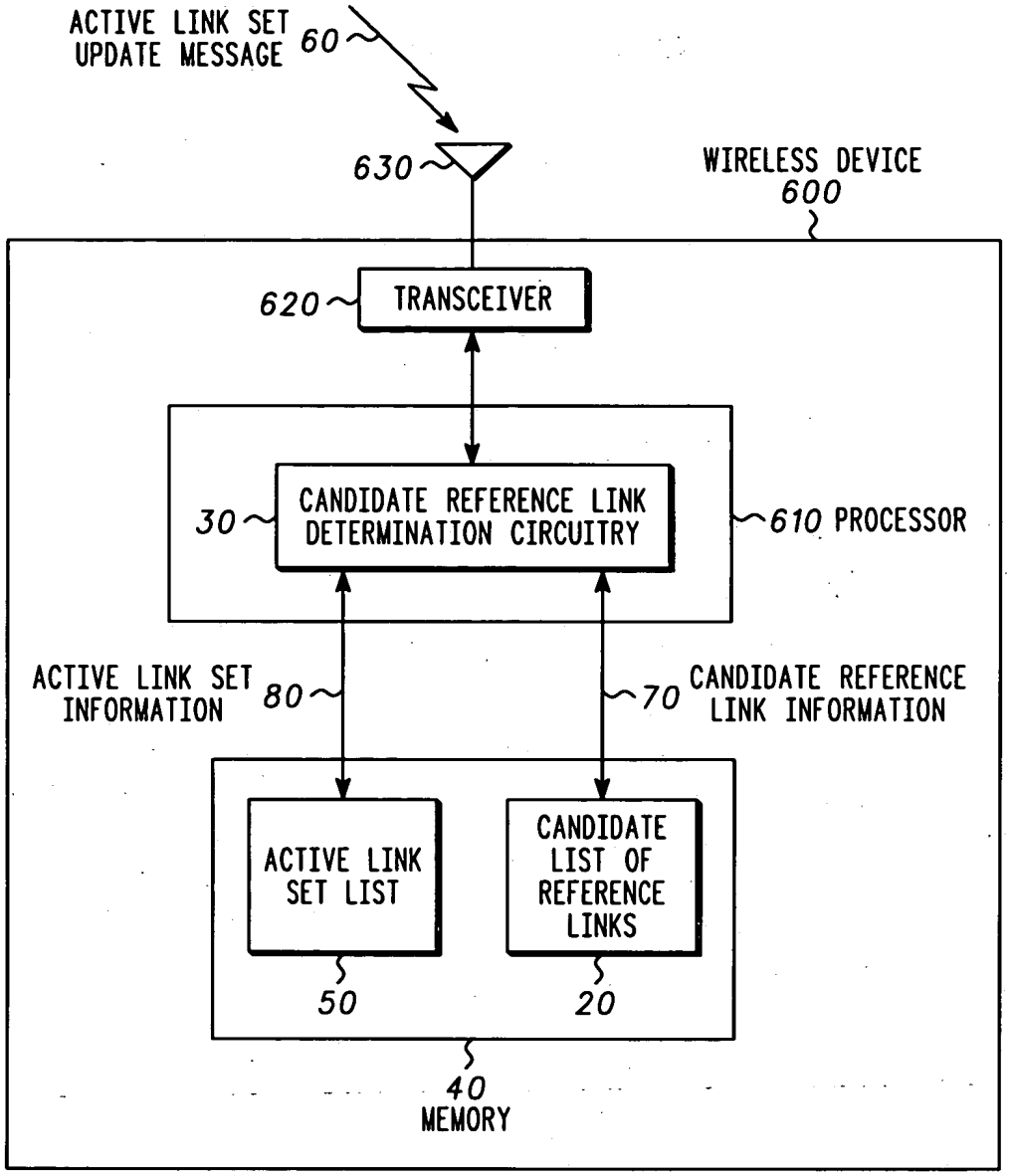
ACTIVE LINK SET UPDATE MESSAGE
60
630
WIRELESS DEVICE
600
620
TRANSCEIVER
30
CANDIDATE REFERENCE LINK DETERMINATION CIRCUITRY
610 PROCESSOR
ACTIVE LINK SET INFORMATION
80
70
CANDIDATE REFERENCE LINK INFORMATION
ACTIVE LINK SET LIST
CANDIDATE LIST OF REFERENCE LINKS
50
20
40
MEMORY

FIG. 6